



**PRODUCT INFO
& DATASHEET**

SICO-MAG 16, Magnesium Sulphate Heptahydrate min. 16% MgO, Grade III (dry, free flowing)

High purity agricultural fertiliser, water soluble - Origin: China

12/2020

1/ INTRODUCTION

Grade III min. 99.5% purity, dry, free flowing, 1-3 mm or 2-4 mm: Is more expensive than grade II and is frequently used by customers needing this size (which also presents less risks for lumping).

2/ PRODUCT DESCRIPTION

Chemical name : Magnesium Sulphate Heptahydrate

Molecular formula: $MgSO_4 \cdot 7H_2O$

CAS number: 10034-99-8

3/ PHYSICAL AND CHEMICAL PROPERTIES

Appearance : odourless white crystalline product

4/ SPECIFICATIONS – Grade III (dry, free flowing)

Purity ($MgSO_4 \cdot 7H_2O$ (on dry basis)	min. 99.5%
Magnesium Oxide (MgO basis)	min. 16%
Sulphur (as S)	min. 12.5%
Chlorides	max. 0.015%
Fe	max. 0.002%
Pb	max. 0.002%
As	max. 0.0005%
Moisture	max. 0.5%
pH value	5 – 8
Particle size	1 – 3 mm (90% min.) or 2 – 4 mm (90% min.)
Fully water soluble	

5/ APPLICATIONS AND USE

* Used as a high quality fertiliser in agricultural crops. SICO-MAG 16 is applied after being dissolved in water through irrigation systems or as a foliar spray.

* Used in the formulation of high quality NPK fertilisers.

Readily soluble, practically without residues; always vigorously stir the salt into water or solution.

6/ STORAGE

Store at a cool and dry place. Excessive storage pressure and large temperature fluctuations can result in caking, which can be broken up by pounding of the bags.

7/ PACKING

This product is packed in 25 kg net woven polypropylene 'SICO' bags with inner liner pe, about 27 MT/20' container (loose bags). (Can be palletised on request.)